

# CV - Carl Jacquemyn

+44 789 509 4527 – c.jacquemyn@imperial.ac.uk

- More than 8 years' experience in geological modelling for hydrogeology, geothermal and heat and CO<sub>2</sub> storage applications collaborating with 13 industry partners, consortia and 5 universities
- Experienced across multiple technical areas with multidisciplinary background of geology (PhD) and mining engineering (MSc) and keen interest in new technologies and cross-discipline opportunities
- Developed novel modelling solutions that have become actively-used tools for R&D customers
- Skilled in assessing a wide range of geoscientific data and integration of datasets

## Relevant skills

### Technical

- Experienced in R&D and innovation in geomodelling for geology and engineering, across different geological settings as shown by research projects and >20 publications in these fields
- Taught professional MSc modules on geological interpretation, reservoir modelling and production planning using ECLIPSE at Imperial College
- Advised as lead geologist for geological prototyping software development collaborating with team of 5 mathematicians and software developers ensuring alignment with usability and customer expectations
- Developed novel surface-based geological modelling and simulation approach (IC-FERST; <https://multifluids.github.io/>) for hydrogeological and geothermal applications

### Innovation and Collaboration

- Lead geologist on innovative digitalization approach, developing a sketch-based interface to communicate and prototype geological concepts with flow diagnostics assessment of results (<https://rapidreservoir.org>).
- Implemented emerging new technologies to complement traditional scientific methods, including development of new geostatistical tools and use of virtual reality, drone photogrammetry and lidar.
- Collaborated with 13 different industry partners and consortia globally on successful research projects, often leading to follow-up or long-term collaboration.
- Organized and led sessions on geological modelling workflow and preserving realism in reservoir models.

### Project Management

- Completed 7 industrial research projects as lead researcher, responsible for steering and executing research and communication of results.
- Demonstrated stakeholder orientation by consistently reaching maximum technology readiness level.
- Managed 19 MSc and 5 PhD projects from ideation to successful delivery of results.
- Acted as lead geoscientist in multidisciplinary team with engineers and physicists on modelling and simulation development which is scheduled to become a commercial product.

### Communication

- Delivered presentations and reports to industry, conferences and university partners of results of collaborations or scouting novel R&D ideas.
- Led as departmental research representative, organising courses, funding opportunities and collaboration for researcher community of 65 postdoctoral researchers.
- Published 22 papers in high-impact journals and presented results at >45 international conferences.

## Employment

- 2019 - current     **Research Fellow** – Geoscience, new technologies for 3D subsurface modelling  
**Imperial College London, UK**  
Project execution and management, consultancy, PhD + MSc research supervision and assessment, MSc teaching (reservoir modelling and simulation)
- 2013 - 2019     **Research Associate** – Geoscience, heterogeneity in subsurface flow analysis  
**Imperial College London, UK**  
R&D project execution and management, consultancy, MSc/PhD research supervision

## Qualifications

- 2009 - 2013 **PhD in Geology** - KU Leuven, Belgium  
topic: karstification, dolomitization, geostatistics, reservoir modelling
- 2002 - 2007 **MSc Mining and Geotechnical Engineering** - KU Leuven, Belgium

## Industry Collaborations (limited to projects with public results)

- RRM consortium (IBM/Petrobras/Shell/Statoil/ExxonMobil/Petronas)  
Geological prototyping software development – Lead geologist
- Woodside  
Geological modelling of sediment wave heterogeneity – Lead researcher
- Equinor  
Multiscale subsurface uncertainty – Lead researcher and geoscience consultant
- Sinopec/CUPB  
Geothermal well design – Research scientist
- Total  
3D modelling deepwater sediments – Lead researcher
- Saudi Aramco  
3D mapping – Lead researcher and software developer
- Statoil  
Geological analysis and new technologies – Lead researcher
- ENI  
Karstification and fracture analysis – Lead researcher
- Lundin/IFP-EN  
Petrophysical variation in reservoirs – Research scientist

## Software Competences

- Subsurface geological modelling: Petrel, RMS, Leapfrog, RRM
- Numerical simulations: ECLIPSE, IC-FERST, Simscale
- C++ programming
- Python programming
- Matlab programming (statistical tools and data analysis)
- CAD/CAM modelling: Trelis, Cubit, IC-SURF, Fusion 360
- Microsoft Office 365 package and tools

## Languages

- Dutch mother tongue
- English native proficiency
- French independent proficiency

## Professional Development

- 2013 - 2022 Petrel subsurface modelling and reservoir engineering, Schlumberger
- 2020 Equality, Diversity and Inclusion in workplace, Cerulean Ltd.
- 2013 - 2020 Outdoor First Aid, Marlin Training Ltd.
- 2017 Carbonate Reservoir Modelling Workshop, AGR-TRACS
- 2017 Reducing Uncertainty in Workflows Workshop, Heriot-Watt/Tomsk University
- 2015 HSE - Fieldtrip safety leader, ExxonMobil
- 2014 Lidar technology applied to structural geology, Université de Lausanne
- 2013 Integrated Reservoir Management, Imperial College London

## Industry Internships

- 2010 Statoil R&D, Bergen 3D heterogeneity analysis
- 2010 Statoil R&D, Bergen Photogrammetry vs. LiDAR comparison
- 2009 Statoil R&D, Bergen Terrestrial LiDAR data processing

## Awards

- 2019 Best paper award in Mathematical Geoscience ([doi:10.1007/s11004-020-09906-w](https://doi.org/10.1007/s11004-020-09906-w))

## International peer-reviewed publications

22. Hamzehloo, A., Bahlali, M.L., Salinas, P., **Jacquemyn, C.**, Pain, C.C., Butler, A.P. & Jackson, M.D. (accepted) Modelling saline intrusion using dynamic mesh optimization with parallel processing. **Advances in Water Resources**, v. tbc, p. tbc.
21. Regnier, G., Salinas, P., **Jacquemyn, C.**, Jackson, M.D. (accepted) *Numerical simulation of aquifer thermal energy storage using surface-based geologic modelling and dynamic mesh optimisation*. **Hydrogeology Journal**, v. tbc, p. tbc.
20. Mueller, M., **Jacquemyn, C.**, Walter, B.F., Pederson, C.L., Schurr, S.L., Igbokwe, O.A., Jöns, N., Riechelmann, S., Dietzel, M., Strauss, H. & Immenhauser, A. (2022) *Constraints on the preservation of proxy data in carbonate archives – lessons from a marine limestone to marble transect, Latemar, Italy*. **Sedimentology**, v. tbc, p. tbc, [doi:10.1111/sed.12939](https://doi.org/10.1111/sed.12939)
19. **Jacquemyn, C.**, Pataki, M.E.H., Hampson, G.J., Jackson, M.D., Petrovskyy, D., Geiger, S., Marques, C.C., Machado Silva, J.D., Judice, S., Rahman, F. & Costa Sousa, M. (2021) *Sketch-based interface and modelling of stratigraphy and structure in three dimensions*. **Journal of the Geological Society**, v. 178, art. jgs2020-187, [doi:10.1144/jgs2020-187](https://doi.org/10.1144/jgs2020-187)
18. Titus, Z., Heaney, C., **Jacquemyn, C.**, Salinas, P., Jackson, M.D. & Pain, C. (2021) *Conditioning surface-based geological models to well data using artificial neural networks*. **Computational Geosciences**, v. tbc, p. tbc, [doi:10.1007/s10596-021-10088-5](https://doi.org/10.1007/s10596-021-10088-5)
17. Teoh, C.P., **Jacquemyn, C.** & Laya, J.C. (2021) *The effects of dolomite geobodies within carbonate clinoforms on fluid flow and connectivity: Insights from an outcrop analogue on Bonaire, The Netherlands (South Caribbean)*. **Marine and Petroleum Geology**, v. 134, art. 105344, [doi:j.marpetgeo.2021.105344](https://doi.org/10.1016/j.marpetgeo.2021.105344)
16. Salinas, P., Regnier, G., **Jacquemyn, C.**, Pain, C.C. & Jackson, M.D. (2021) *Dynamic mesh optimisation for geothermal reservoir modelling*. **Geothermics**, v. 94, art. 102089, [doi:10.1016/j.geothermics.2021.102089](https://doi.org/10.1016/j.geothermics.2021.102089)
15. Yekta, A., Salinas, P., Hajirezaie, S., Amooie, M.A., Pain, C.C., Jackson, M.D., **Jacquemyn C.** & Soltanian M.R. (2021) *Reactive transport modeling in heterogeneous porous media with dynamic mesh optimization*. **Computational Geosciences**, v. 25, p. 357-372, [doi:10.1007/s10596-020-10009-y](https://doi.org/10.1007/s10596-020-10009-y)
14. Osman H., Graham G.H., Moncorge A., **Jacquemyn C.**, Jackson M.D. (2020) *Is cell-to-cell scale variability necessary in reservoir models?* **Mathematical Geosciences**, v. 53, p. 271-296, [doi:10.1007/s11004-020-09877-y](https://doi.org/10.1007/s11004-020-09877-y)
13. Zhang, Z., Geiger, S., Rood, M., **Jacquemyn, C.**, Jackson, M.D., Hampson, G.H., De Carvalho, F.M., Marques, C.C., Machado Silva, J.D., Costa Sousa, M. (2020) *Fast flow computation methods on unstructured tetrahedral meshes for rapid reservoir modelling*. **Computational Geosciences**, v. 24, p. 641-661, [doi:10.1007/s10596-019-09851-6](https://doi.org/10.1007/s10596-019-09851-6)
12. Jackson, C.A.-L., Magee, C., **Jacquemyn, C.** (2020) *Rift-related magmatism influences petroleum system development in the NE Irish Rockall Basin, offshore Ireland*. **Petroleum Geoscience**, v. 25, p. 511-524, [doi:10.1144/petgeo2018-020](https://doi.org/10.1144/petgeo2018-020)
11. Salinas, P., Pain, C., Osman, H., **Jacquemyn, C.**, Xie, Z., Jackson, M.D. (2020) *Vanishing artificial diffusion as a mechanism to accelerate convergence for multiphase porous media flow*. **Computer Methods in Applied Mechanics and Engineering**, v. 359, p. 1-15, [doi:10.1016/j.cma.2019.07.004](https://doi.org/10.1016/j.cma.2019.07.004)
10. **Jacquemyn, C.**, Jackson, M.D. & Hampson, G.H. (2019) *Surface-based geological reservoir modelling using grid-free NURBS curves and surfaces*, **Mathematical Geosciences**, v. 51, p. 1-28, [doi: 10.1007/s11004-018-9764-8](https://doi.org/10.1007/s11004-018-9764-8)
9. Onyenanu, G.I., **Jacquemyn, C.**, Graham, G.H., Hampson, G.J., Fitch, P.J.R. & Jackson, M.D. (2018), *Geometry, distribution and fill of erosional scours in a heterolithic, distal lower shoreface sandstone reservoir analogue: Grassy Mb, Blackhawk Fm, Book Cliffs, Utah, USA*. **Sedimentology**, v. 65, p. 1731-1720, [doi:10.1111/sed.12444](https://doi.org/10.1111/sed.12444)
8. Salinas, P., Pavlidis, D., Zhihua, X., **Jacquemyn, C.**, Melnikova, Y., Jackson, M.D. & Pain, C.C. (2017) *Improving the robustness of the control volume finite element method with application to multiphase porous media flow*. **Int. J. Numer. Meth. Fluids**, v. 85, p. 235-246, [doi:10.1002/flid.4381](https://doi.org/10.1002/flid.4381)
7. **Jacquemyn, C.**, Jackson, M.D., Hampson, G.H., John, C., Zühlke, R., Cantrell, D.L., AbuBshait, A., Lindsay, R.F. & Monsen, R. (2018) *Geometry, spatial arrangement, and connectivity of carbonate grain-dominated, storm-event deposits in outcrop analogue of Late Jurassic Arab-D reservoir, Saudi Arabia*. **Sedimentology**, v. 65, p. 1043-1066, [doi:10.1111/sed.12414](https://doi.org/10.1111/sed.12414)
6. Zhang, Z., Geiger, S., Rood, M., **Jacquemyn, C.**, Jackson, M., Hampson, G., Moura De Carvalho, F., Coda Marques, C.C., Machado Silva, J.D. & Costa Sousa, M. (2017). *A Tracing Algorithm for flow diagnostics on fully unstructured grids with multipoint flux approximation*. **SPE Journal**, v. 22, p. 1946-1962, [doi:10.2118/182635-PA](https://doi.org/10.2118/182635-PA)
4. Jones, R.R., Pearce, M.A., **Jacquemyn, C.**, Watson, F. (2016) *Robust best-fit planes from geospatial data*. **Geosphere**, v. 12, p. 196-202, [doi:10.1130/GES01247.1](https://doi.org/10.1130/GES01247.1)
3. **Jacquemyn, C.**, Huysmans, M., Casini, G., Hunt, D. & Swennen, R. (2015) *Multi-scale 3D distribution of fracture- and igneous intrusion- controlled hydrothermal dolomite from digital outcrop model (Latemar platform, Dolomites, northern Italy)*. **AAPG Bulletin**, v. 99, p. 957-984, [doi:10.1306/10231414089](https://doi.org/10.1306/10231414089)
2. **Jacquemyn, C.**, El Desouky, H., Casini, G., Hunt, D. & Swennen, R. (2014). *Dolomitization of the Latemar platform (Dolomites, northern Italy): fluid flow and dolomite evolution*. **Marine and Petroleum Geology**, v. 55, p. 43-67, [doi:10.1016/j.marpetgeo.2014.01.017](https://doi.org/10.1016/j.marpetgeo.2014.01.017)
1. **Jacquemyn, C.**, Swennen, R. & Ronchi, P. (2012). *Mechanical stratigraphy and (palaeo-) karstification of the Murge area (Apulia, southern Italy)*. **Geological Society, London, Special Publications**, v. 370, p. 169-186, [doi:10.1144/SP370.4](https://doi.org/10.1144/SP370.4)

## Phd students

- Hossain, S. (2022-present) Multiscale modelling of sedimentological heterogeneity in potential CO<sub>2</sub>-storage reservoirs. Co-supervisor with Gary Hampson and Matt Jackson.
- Firth, H. (2021-present) High temperature subsurface thermal energy storage, geothermal reservoirs. Co-supervisor with Pablo Salinas, Gary Hampson and Matt Jackson.
- Titus, Z. (2018-present) Data assimilation and machine learning to simulate geothermal reservoir-well systems for optimal well placement and reservoir management strategies. Co-supervisor with Chris Pain, Claire Heaney, Pablo Salinas & Matt Jackson.
- Osman, H. (2016-2019) Reservoir modelling and simulation using dynamically optimised meshes. Co-supervisor with Matt Jackson & Chris Pain.
- Onyenanu, G. (2015-2019) Characterisation and modelling of heterogeneity in thinly bedded, shallow-marine sandstone reservoirs. Co-supervisor with Pete Fitch, Matt Jackson & Gary Hampson.

## Invited Presentations and Panel speaker

10. 2021-8: presentation. *Rapid Reservoir Modelling: Sketch-based geological modelling*. PESGB YP evening lectures.
9. 2021-5: presentation. *Rapid Reservoir Modelling*. SPE Open Subsurface workshop - Open-source software: Geomodelling and characterization.
8. 2021-5: presentation. *RRM Fast prototyping of reservoir models with dynamic feedback*. Hess lunchtime seminars.
7. 2021-5: presentation. *Rapid Reservoir Modelling: Sketch-based geologic modelling coupled with flow diagnostics*. ERCE Wednesday lectures.
6. 2019-9: panel speaker. *Grid-free reservoir modelling: Two flavours of surface-based modelling*. SPE Reservoir Characterisation and Simulation Conference Panel 1: Path to faster and better models.
5. 2018-8: presentation. *My geology is too complex for my grid*. ERC Energy seminars.
4. 2018-2: presentation. *My geology is too complex for my grid*. KAUST research conference.
3. 2017-9: keynote. *Surface-based reservoir modelling and its potential to preserve uncertainty*. Research Links workshop Tomsk: Prediction of complex systems under uncertainty.
2. 2017-8: presentation. *Surface-based modelling of subsurface reservoirs using NURBS surfaces*. Heriot-Watt Institute for GeoEnergy Engineering seminar.
1. 2015-2: presentation. Diagenetic vs. sedimentary systems: two different approaches for reservoir modelling applied to hydrothermal dolomite and storm-deposits. Université de Lorraine: ENSG-Georessources seminars.

## Organised and chaired conference sessions

3. Aarnes, I., Skauvold, J. & **Jacquemyn, C.** (2022) *Preserving realistic geology in statistical and mathematical geomodels*. International Association for Mathematical Geoscience 21<sup>st</sup> annual conference, Nancy, France.
2. **Jacquemyn, C.** (2019) *Have advances in subsurface modelling enabled higher-quality decisions?* 4D Subsurface Modelling: Predicting the Future, Geological Society of London, UK.
1. **Jacquemyn, C.** & Loucks, R. (2016) *AAPG-SPEM session: Advances in Carbonate Diagenesis*. AAPG-ACE, Calgary, Canada.

## Presentations at international conferences

55. Regnier, G., ..., **Jacquemyn, C.** et al. (2021) *Numerical modelling of aquifer thermal energy storage systems with dynamic mesh optimisation*. AGU Fall meeting.
54. Salinas, P., ..., **Jacquemyn, C.**, et al. (2021) *Dynamic mesh optimisation for saline intrusion modelling*. AGU Fall meeting.
53. Bahlali, M.L., ..., **Jacquemyn, C.** et al. (2021) *Dynamic mesh optimisation for unstable density-driven flow modelling: Application to the Elder problem in 2- and 3D*. AGU Fall meeting.
52. **Jacquemyn, C.** et al. (2021) *RRM: Sketch-based geological modelling with fast flow diagnostics*. ADIPEC.
51. **Jacquemyn, C.** et al. (2021) *Sketch-based geologic modelling: exploration of stratigraphic uncertainty via multiple scenarios using Rapid Reservoir Modelling*. IMAGE'21.
50. **Jacquemyn, C.** et al. (2021) *Surface-based reservoir modelling and simulation: Geology first, grid later*. IMAGE'21.
49. **Jacquemyn, C.** et al. (2021) *Sketch-based reservoir modelling: fast prototyping of reservoir models to explore interpretation-based uncertainty*. EAGE Annual Conference and Exhibition.
48. Hutton, R., ..., **Jacquemyn, C.** et al. (2020) *Surface-based modelling of deep-water sediment waves, Patagonia*. BSRG.
47. Costa Sousa, M., ..., **Jacquemyn, C.** et al. (2020) *Smart modelling of geologic stratigraphy concepts using sketches*. STAG'20.
46. Titus, Z., ..., **Jacquemyn, C.** et al. (2020) *Conditioning surface-based geological models to well data using NNs*. EAGE ECMOR XVII.
45. Salinas, P., **Jacquemyn, C.** et al. (2020) *Well optimisation for surface-based modelling and mesh optimisation*. EAGE ECMOR XVII.
44. Salinas, P., **Jacquemyn, C.** et al. (2019) *Geothermal reservoir modelling by using dynamic unstructured meshes for improved heat recovery in highly heterogeneous reservoirs*. AGU Fall Meeting.
43. Salinas, P., **Jacquemyn, C.** et al. (2019) *A parallel load-balancing reservoir simulator with mesh optimisation*. SPE RCSC.

42. **Jacquemyn, C.** et al. (2019) *Surface-based reservoir modelling: Generating realistic geological heterogeneity for reservoir modelling and simulation*. GSL Capturing geoscience in geomodels.
41. Teoh, C.P., ..., **Jacquemyn, C.** et al. (2019) *Geometric quantification of dolomitized clinoforms using digital outcrop models and surface-based modelling: Insights for geobody connectivity from outcrop analogues*. AAPG-ACE.
40. **Jacquemyn, C.** et al. (2019) *Rapid modelling of microbial carbonates using a sketch-based tool*. AAPG-ACE.
39. Mueller, M., **Jacquemyn, C.** et al. (2019) *Metamorphic overprint and dolomitization of Mesozoic carbonates*. Goldschmidt.
38. **Jacquemyn, C.**, et al. (2019) *Surface-based reservoir modelling: Assembly for multiple stochastic realizations*. EAGE Ann. Conf.
37. Salinas, P., **Jacquemyn, C.**, et al. (2018) *Dynamic mesh optimisation for geothermal reservoir modelling*. AGU Fall Meeting.
36. Salinas, P., **Jacquemyn, C.**, et al. (2018) *Simulation of enhanced geothermal systems using dynamic unstructured mesh optimisation*. EAGE Ann. Conf.
35. **Jacquemyn, C.** et al. (2018) *My geology is too complex for my grid: Grid-free surface-based geological modelling*. EAGE Ann. Conf.
34. **Jacquemyn, C.** et al. (2018) *Surface-based reservoir modelling: Realistic heterogeneity reservoir models & simulation*. AAPG-ACE.
33. Salinas, P., ..., **Jacquemyn, C.** et al. (2017) *Simulation of geothermal water extraction in heterogeneous reservoirs using dynamic unstructured mesh optimisation*. AGU Fall Meeting.
32. **Jacquemyn, C.** et al. (2017) *My geology is too complex for my grid: Grid-free geological modelling*. AAPG-ICE.
31. **Jacquemyn, C.** et al. (2017) *Grid-free surface-based modelling using NURBS surfaces: workflow*. RING Meeting.
30. **Jacquemyn, C.** et al. (2017) *Surface-based modelling using NURBS surfaces*. SIAM Conference.
29. **Jacquemyn, C.** et al. (2017) *Surface-based modelling of subsurface reservoirs using parametric NURBS surfaces*. EAGE Ann. Conf.
28. Melnikova, Y., **Jacquemyn, C.** et al. (2016) *Geologic modelling using parametric NURBS surfaces*. EAGE ECMOR XV.
27. **Jacquemyn, C.**, et al. (2016) *Geologic modelling using parametric NURBS surfaces*. EAGE ECMOR XV.
26. Kulyukina, N., ..., **Jacquemyn, C.** (2016) *Geostatistical modelling of hydrothermal dolomite by plurigaussian simulation from digital outcrop dataset (Latemar, N-Italy)*. AAPG-ACE.
25. Mircescu, C., ..., **Jacquemyn, C.** (2016) *Facies and lateral strat. continuity in reservoir analogues at Wadi Naqab, UAE*. AAPG-ACE.
24. Henry, D., ..., **Jacquemyn, C.** (2016) *Assessing and calibrating the ATR-FTIR and CL-EDX approaches as carbonate reservoir characterization tools and for diagenetic applications*. AAPG-ACE.
23. **Jacquemyn, C.** et al. (2016) *Impact of heterogeneous storm-event deposits on fluid flow behaviour of Late Jurassic Arab-D reservoir, Saudi Arabia*. AAPG-ACE.
22. Kulyukina, N., ..., **Jacquemyn, C.** (2016) *PluriGaussian simulation of hydrothermal dolomite from digital outcrop dataset (Latemar, N-Italy)*. AAPG Europe GTW Carbonate Reservoirs.
21. **Jacquemyn, C.** et al. (2016) *Controls of bed thickness, fracture spacing and relative aperture on fluid flow and karstification in fractured layered carbonates*. AAPG Europe GTW Carbonate Reservoirs.
20. **Jacquemyn, C.** et al. (2016) *Impact of heterogeneous storm event deposits on fluid flow behaviour of Late Jurassic Arab-D reservoir, Saudi Arabia*. AAPG Europe GTW Carbonate Reservoirs.
19. Mircescu, C.V., ..., **Jacquemyn, C.** (2015) *Facies and depositional environments identified in the Lower Jurassic succession from Wadi Naqab, UAE*. BSRG.
18. God'spower, O., **Jacquemyn, C.**, et al. (2015) *Characterisation and modelling of heterogeneity in thinly bedded, shallow-marine sandstone reservoirs*. BSRG.
17. Melnikova, Y., **Jacquemyn, C.**, et al. (2015) *Advanced geologic modeling Using CAD and unstructured meshes*. AGU Fall Meeting.
16. **Jacquemyn, C.** et al. (2015) *Impact of geometry and spatial arrangement of heterogeneous storm-event deposits on fluid flow behavior of Late Jurassic Arab-D*. Mountjoy meeting on adv. in characteriz. and modelling of complex carbonates.
15. **Jacquemyn, C.** et al. (2015) *Quantification of geometry and spatial arrangement of grain-dominated storm-event deposits in outcrop analogue of Late Jurassic Arab-D reservoir, Saudi Arabia*. 15<sup>th</sup> Bathurst Carbonate Meeting.
14. **Jacquemyn, C.** et al. (2015) *Geometry and connectivity of storm-events in outcrop analogue of Arab-D reservoir*. AAPG-ACE.
13. Swennen, R., ..., **Jacquemyn, C.** et al. (2014) *Hydrothermal dolomites, from micro-scale to reservoir dimensions*. Diagenèse: Avancées récentes et perspectives.
12. **Jacquemyn, C.** et al. (2014) *Distribution and geometry of dolomite bodies in association with igneous activity*. AAPG-ACE.
11. **Jacquemyn, C.** et al. (2014) *Distribution and geometry of dolomite bodies in the Latemar platform*. Vertical Geology Conference.
10. **Jacquemyn, C.** et al. (2013) *Controls on dolomitization of the Latemar platform (Dolomites, northern Italy)*. 30<sup>th</sup> IAS.
9. **Jacquemyn, C.** et al. (2013) *Controls on dolomitization of the Latemar platform (Dolomites, northern Italy)*. EGU General Assembly.
8. **Jacquemyn, C.** et al. (2012) *Dolomitization of the Latemar buildup (Dolomites, northern Italy)*. Geofluids VII.
7. Swennen, R., **Jacquemyn, C.** et al. (2012) *How natural carbonate analogue studies provide quantitative volumetric information as input for diagenetic modelling*. Geofluids VII.
6. **Jacquemyn, C.** et al. (2011) *Spatial distribution and genesis of dolomite in the Latemar buildup (Dolomites, northern Italy)*. 14<sup>th</sup> Bathurst Meeting of Carbonate Sedimentologists.
5. **Jacquemyn, C.** et al. (2011) *Diagenesis and dolomitization in the Valsorda valley (Latemar, northern Italy)*. 28<sup>th</sup> IAS.
4. **Jacquemyn, C.** et al. (2010) *(Paleo-)karstreservoir analogue study (Murge area, southern Italy)*. Advances in Carbonate Exploration and Reservoir Analysis.
3. **Jacquemyn, C.** et al. (2010) *Diagenesis and dolomitization in the Contrin and the Sciliar Formation (Latemar)*. 18<sup>th</sup> ISC.
2. **Jacquemyn, C.** et al. (2010) *Stable isotope stratigraphy and diagenesis of the Cretaceous Apulia platform (southern Italy)*. 18<sup>th</sup> ISC.
1. **Jacquemyn, C.** et al. (2009) *(Paleo)Karstification in the Apulia region (Southern Italy): influence of sedimentology, diagenesis and mechanical stratigraphy*. 27<sup>th</sup> IAS.